

FIGURE 1

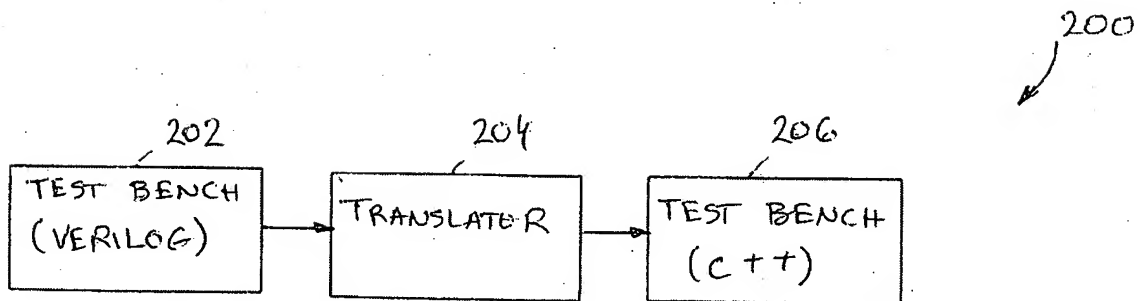


FIGURE 2

VERILOG PATTERN	C++ PATTERN / ACTION
# delay statements	Remove # delay statements
`ifdef statements	Translate `ifdef statements
` symbols	Remove ` symbols
Begin	{
End	}
Register definitions	Convert register definitions
Combinatorial assignments	Convert combinatorial assignments
Events	Convert events
Verilog switches	Convert Verilog switches
Verilog Concat expressions	Convert Verilog Concat expressions
Verilog parameters	Convert to C ++ #defines
Verilog consts	Convert to C consts
Verilog bit access macro	Convert bit access macro

FIGURE 3

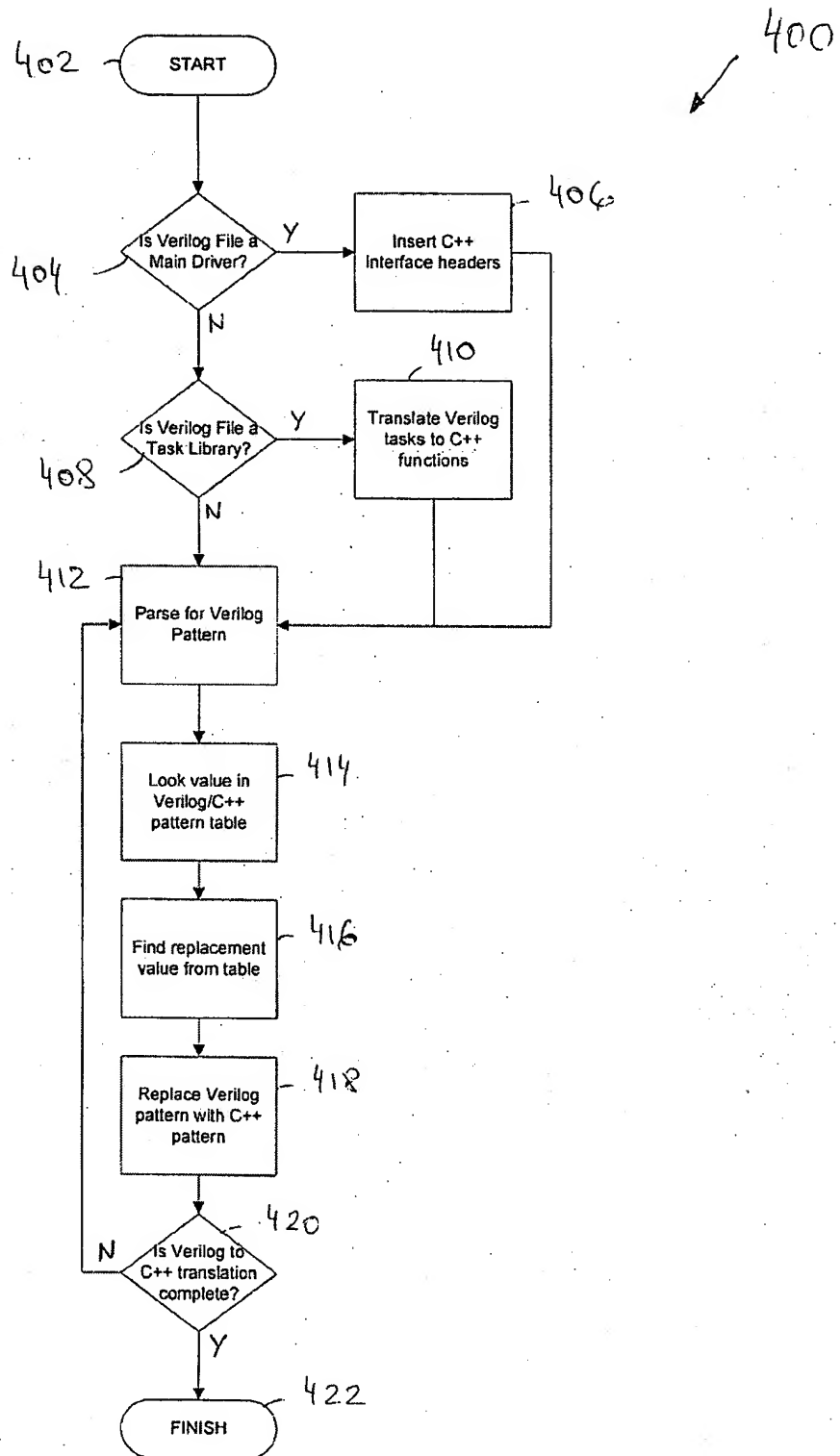


FIGURE 4

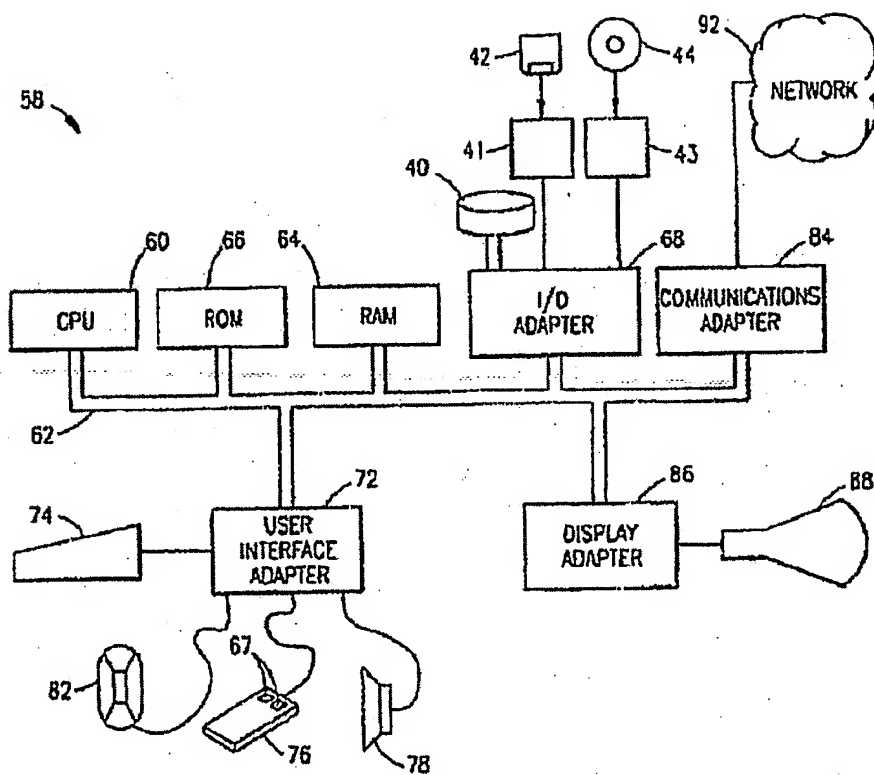


FIGURE 5